

## CLAIM or CLAIMS

### We Claim:

1. A composition for topical application to skin, scalp or hair, which increases skin firmness and elasticity, reduces lines and wrinkles of skin, improves quality of connective tissues, promotes turnover of skin or scalp cells, promotes proliferation of skin or scalp cells, helps skin to repair damaged keratinocytes, improves age stops and clarity of skin, raises ability of skin or scalp to scavenge oxygen free radicals, treats UV-induced damage, raises ability of skin or scalp against UV-induced damage, promotes skin or scalp cells to absorb nutrition, rebuilds subcutaneous fat padding, treats aging of skin or scalp, prevents skin or scalp from aging, improves hair growth and quality, treats winter itch or atrophies of local skin, treats and neutralizes skin complications of corticosteroids in topical application, treats complications of skin and connective tissue caused by diabetes, prevents skin and connective tissue from complications caused by diabetes, and/or improves secretion of sebaceous and sweat glands, comprising:

insulin which can be natural, synthetic, recombinant, human or animal; or  
a bioactive material which has active centers which are the same as or similar to active centers of said insulin.

2. The composition for topical application to the skin, scalp and hair according to claim 1, wherein said composition further includes cosmetically or pharmaceutically acceptable ingredients to formulate a product of cosmetic or pharmaceutical.

3. The composition for topical application to the skin or scalp according to claim 1, wherein said composition comprising a material, which treats skin or scalp aging or prevents skin or scalp from aging, and which is said insulin or is said bioactive material which has said active centers which are the same as or similar to said active centers of said insulin.

4. A composition for topical application to skin or scalp, which replenishes skin desquamation enzymes, specifically peels excessive stratum corneum, treats aging of skin or scalp, prevents skin or scalp from aging, or treats dermal diseases with defective desquamation such as ichthyosis, psoriasis, acne, dandruff, and etc, comprising:

pancreatin which can be natural, synthetic, recombinant, human or animal; or  
a bioactive material which has active centers which are the same as or similar to active centers of said pancreatin.

5. A method of increasing skin firmness and elasticity, reducing lines and wrinkles of skin, improving quality of connective tissues, promoting turnover of skin or scalp cells, promoting proliferation of skin or scalp cells, helping skin or scalp to repair damaged keratinocytes, improving age stops and clarity of skin, raising ability of skin or scalp to scavenge oxygen free radicals, treating UV-induced damage, raising ability of skin or scalp against UV-induced damage, promoting skin or scalp cells to absorb nutrition, rebuilding subcutaneous fat padding, treating aging of skin or scalp, preventing skin or scalp from aging, improving hair growth and quality, treating winter itch or atrophies of local skin, treating and neutralizing skin complications of corticosteroids in topical application, treating complications of skin or connective tissue caused by diabetes, preventing skin and connective tissue from complications caused by diabetes, or improving secretion of sebaceous and sweat glands comprising:

topically applying insulin, which can be natural, synthetic, recombinant, human or animal, to skin, scalp or hair; or

topically applying a bioactive material, which has active centers which are the same as or similar to active centers of said insulin, to skin, scalp or hair.

6. The method of claim 5, wherein said method further includes using cosmetically or pharmaceutically acceptable ingredients to formulate a product of cosmetic or pharmaceutical comprising:

said insulin which can be natural, synthetic, recombinant, human or animal; or

said bioactive material which has said active centers which are the same as or similar to said active centers of said insulin.

7. The method of claim 5, wherein said method of treating skin aging or protecting skin from aging includes the topical application to the skin of a composition comprising:

said insulin which can be natural, synthetic, recombinant, human or animal; or

said bioactive material which has said active centers which are the same as or similar to said active centers of said insulin.